

REMARKS

Reconsideration of the above-identified application in view of the foregoing amendments and following remarks is respectfully requested.

Claims 1-21 are pending in this application. Claims 3-6, 8 and 11-17 were objected to. Claims 1, 2 and 7-21 were rejected. By this amendment, claims 3 and 7 are canceled without prejudice or disclaimer, claims 1, 4-6, 8, 11, 12, 16 and 18 are herein amended and new claims 22-28 are added, as shown above. No new matter has been added by these amendments.

Claim Objections

Claims 3-6, 8 and 11-17 were objected to because of the alleged stated informalities. (See Office Action, p. 2). Applicants have canceled claim 3 and amended claim 1 to recite the feature of claim 3. Applicants have amended claims 1, 4, 8 and 11 to overcome the alleged informalities. Accordingly, Applicants request withdrawal of these objections.

Claim Rejections - 35 U.S.C. § 103

Claims 1, 2, 7, 8, 10-15 and 17 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Yokoyama et al., U.S. Patent No. 6,607,277 ("Yokoyama") in view of Iwata et al., U.S. Patent No. 5,724,828 ("Iwata"); claims 1, 9, 11 and 16 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Roberts et al., U.S. Patent Application Publication No. 2002/0149312 ("Roberts") in view of Iwata; and claims 18-21 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Saito et al., U.S. Patent Application Publication No. 2002/0180658 ("Saito") in view of Alonso, U.S. Patent No. 6,067,802 ("Alonso").

Applicants have canceled claim 7 rendering the rejection to this claim moot. Applicants respectfully submit that claims 1, 2 and 8-21 are patentably distinct from the cited

references in light of the foregoing amendments and following remarks.

Independent claim 1 has been amended to recite the feature of claim 3, which the Examiner stated contains allowable subject matter. Claims 2 and 8-10 depend from claim 1. Accordingly, withdrawal of the rejections of claims 1, 2 and 8-10 is respectfully requested.

Independent claim 11 is directed to the embodiments of Figs. 3-6 and 11 and recites that a semiconductor region is formed on the substrate; Peltier elements and active driving elements are formed in the semiconductor region, and organic electroluminescence elements are each arranged on or above one of the heat absorbing electrodes and electrically connected to one of the active driving elements. Thus, the organic electroluminescence device of claim 11 is an active matrix organic electroluminescence device. According to claim 11, a plurality of Peltier elements and a plurality of active driving elements are arranged on a single common substrate. In accordance with claim 11, the Peltier elements and the active driving elements can be formed on a single common substrate in a common manufacturing process so that the Peltier elements and the active driving elements comprise a single circuit layer, which simplifies structure and manufacture and reduces thickness of the device.

In contrast, none of the cited references taken alone or in combination disclose an active matrix organic electroluminescence display. That is, none of the cited references teach or suggest that a semiconductor region is formed on the substrate; Peltier elements and active driving elements are formed in the semiconductor region, and organic electroluminescence elements are each arranged on or above one of the heat absorbing electrodes and electrically connected to one of the active driving elements as recited in claim 11.

For at least the foregoing reasons, withdrawal of the rejections of claim 11, and claims 12-17 depending therefrom, is respectfully requested.

Independent claim 18 has been amended in a manner similar to claim 1. Claims 19-21 depend from claim 18. For at least these reasons, withdrawal of the rejections of claims 18-21 is respectfully requested.

Applicants respectfully submit that the present invention as claimed is neither taught nor suggested by, and therefore is neither anticipated nor rendered obvious in view of, the cited references, taken alone or in combination. Accordingly, Applicants respectfully request reconsideration and withdrawal of these rejections.

New Claims

New claims 22-28 have been added to claim further aspects of the present invention and are directed to at least the embodiment of Fig. 2. New independent claim 22 is directed to an organic electroluminescence device comprising a semiconductor substrate, a Peltier element being formed over substantially entire portion of the semiconductor substrate, wherein the Peltier element includes a semiconductor portion of the semiconductor substrate, a heat absorbing electrode, and a heat radiating electrode, wherein the heat absorbing electrode and the heat radiating electrode are located on opposite sides of the semiconductor portion so as to sandwich the semiconductor portion, and wherein the semiconductor portion lies along an area between the heat absorbing electrode and the heat radiating electrode; and an organic electroluminescence element formed on the semiconductor substrate to be arranged on the heat absorbing electrode side, wherein light emitted from the organic electroluminescence element exits from a side facing away from the semiconductor substrate.

Thus, according to new claim 22, an electroluminescence element is formed on the Peltier element itself. New claims 23-28 depend from new claim 22. Applicants submit that these claims are believed allowable.

CONCLUSION

For the above-stated reasons, this application is respectfully asserted to be in condition for allowance. An early and favorable examination on the merits is requested. In the event that a telephone conference would facilitate the examination of this application in any way, the Examiner is invited to contact the undersigned at the number provided.

AUTHORIZATION

The Commissioner is hereby authorized to charge any fees which may be required for consideration of this Amendment to Deposit Account No. **13-4500**, Order No. 5000-5154.

While petitioned extension of time is believed sufficient, if an additional extension of time is required, the Commissioner is petitioned to grant such extension of time required to render this response timely and is hereby authorized to charge any fee for such an extension of time or credit any overpayment for an extension of time to Deposit Account No. **13-4500**, Order No. 5000-5154.

Respectfully submitted,
MORGAN & FINNEGAN, L.L.P.

Dated: September 5, 2006

By:



Steven F. Meyer

Registration No. 35,613

Correspondence Address:

MORGAN & FINNEGAN, L.L.P.
3 World Financial Center
New York, NY 10281-2101
(212) 415-8700 Telephone
(212) 415-8701 Facsimile